

## Recombinant Human Nascent Polypeptide-Associated Complex Alpha Subunit, His-tagged

Cat. No. NACA-1286H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human NACA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	Human
<b>Description</b>	NACA is member of the nascent polypeptide associated complex (NAC) alpha subunit family that participate in preventing inappropriate targeting of non-secretory polypeptides to the endoplasmic reticulum (ER). Most NACA proteins localize to both nucleus as well as cytoplasm, and contain NAC-A/B (NAC-alpha/beta) and UBA (ubiquitin-associated) domains. The UBA domain is associated with proteins involved in the ubiquitin-proteasome pathway for protein degradation.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 1mM DTT, 0.15M NaCl.
<b>Molecular Weight</b>	25.5 kDa (235aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
<b>Purity</b>	> 95 % by SDS - PAGE
<b>Concentration</b>	1 mg/ml (determined by BCA)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Sequences of amino acids**

MGSSHHHHHH SSSLVPRGSH MPGEATETVP ATEQELPQPQ AETGSGTESD  
 SDESVPLEEE QDSTQATTQQ AQLAAAAEID EEPVSKAKQS RSEKKARKAM  
 SKLGLRQVTG VTRVTIRKSK NILFVITKPD VYKSPASDTY IVFGEAKIED  
 LSQQAQLAAA EKFKVQGEAV SNIQENTQTP TVQEESEEEE VDETGVVEVKD  
 IELVMSQANV SRAKAVRALK NNSNDIVNAI MELTM

**Storage**

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

**Gene Name** [NACA nascent polypeptide-associated complex alpha subunit \[ Homo sapiens \]](#)

**Official Symbol** [NACA](#)

**Synonyms** NACA; nascent polypeptide-associated complex alpha subunit; HSD48; NACA1; MGC117224; nascent polypeptide-associated complex subunit alpha; NAC-alpha; alpha-NAC; Alpha-NAC; Allergen Hom s 2; nascent-polypeptide-associated complex alpha polypeptide; Nascent polypeptide-associated complex subunit alpha

**Gene ID** [4666](#)

**mRNA Refseq** [NM\\_001113201](#)

**Protein Refseq** [NP\\_001106672](#)

**MIM** [601234](#)

**UniProt ID** [Q13765](#)

**Chromosome** [12q23-q24.1](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA




**Location**

**Function**

DNA binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA